RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	MMM MMM MMM MMM MMM MMMMMM	\$
RRR RRR RRR RRR RRR RRR RRR RRR	MMMMMM MMMMMM MMMMMMMMMMMMMMMMMMMMMMMM	\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$
RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	MMM MMM MMM MMM MMM MMM MMM MMM	\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$
RRR RRR RRR RRR RRR RRR	MMM	\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$
RRR RRR RRR RRR RRR RRR	MMM	\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$

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NTS NTS NTS NTS NTS NTS

NT: NT: NT: NT: NT: NT: NT: NT: NT:

NT NT NT NT NT PI

RRRRRRRR RP RR RR RR RR RR RR RR RRRRRRR RRRRRRRR	MM MM MMM MMM MMMM MMMM MM MM MM MM MM M	333333 3333333 3333333 3333333 33333333	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	RRRRRRRR RR	000000 00	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
		\$				

RM3 VO4

```
f 1
16-Sep-1984 01:57:28
14-Sep-1984 13:01:34
RM3PROBE
V04-000
                                                                                                                  VAX-11 Bliss-32 V4.0-742 Page 2
DISK$VMSMASTER:[RMS.SRC]RM3PROBE.B32;1 (1)
    VO2-004 REFORMAT
                                                                        Maria del C. Nasr
                                                                                                        24-Jul-1980
                             1 LIBRARY 'RMSLIB: RMS';
                              REQUIRE 'RMSSRC:RMSIDXDEF';
                              define default psects for code
                              PSECT
                                   CODE = RM$RMS3(PSECT_ATTR),
PLIT = RM$RMS3(PSECT_ATTR);
                            1 ! Linkages
                            1 LINKAGE
                                   L_JSB;
```

RM3 V04

```
RM3PROBE
V04-000
                                                                                                        VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER: [RMS.SRC]RM3PROBE.B32;1
                   GLOBAL ROUTINE RM$NOREAD_LONG (SIZE, ADDR, MODE) : RL$JSB =
   !++
                               FUNCTIONAL DESCRIPTION:
                                      subroutine to perform a long or short probe
                               CALLING SEQUENCE: bsbw rm$noread_long (size,addr,mode)
                               INPUT PARAMETERS:
                                      size of structure to be probed address of structure to be probed
                                      mode to do probing in
                               IMPLICIT INPUTS:
                                      none
                               OUTPUT PARAMETERS:
                                      none
                               IMPLICIT OUTPUTS:
                                      none
                              ROUTINE VALUE:

0 if structure is readable
1 if structure is NOT readable
                                                (values are such since action is taken if the structure
                                                is not readable and so the code looks cleaner)
   SIDE EFFECTS:
                                      none
                                 BEGIN
                                 LOCAL
                                      LEN,
START;
                                 IF .SIZE<0, 16> LEQU 512
                                 THEN
                                      RETURN
                                           IF PROBER (MODE, SIZE, .ADDR)
                                           THEN
                                           ELSE
                                               1;
                                   need to do long probe
                                 START = .ADDR:
                                 LEN = .SIZE;
```

RM3 V04

```
H 1
16-Sep-1984 01:57:28
14-Sep-1984 13:01:34
RM3PROBE
V04-000
                                                                                                                                        VAX-11 Bliss-32 V4.0-742 Page 4
DISK$VMSMASTER:[RMS.SRC]RM3PROBE.B32;1 (2)
    138
                                           DO
                                                 BEGIN
    141
142
143
144
146
147
149
151
152
                                                  IF NOT PROBER (MODE, LEN, .START)
                                                  THEN
                                                       RETURN 1:
                                                 START = .START + 512;
                                                 LEN = .LEN - 512;
                                                 END
                                           UNTIL .LEN LSS 1;
                                           RETURN 0
                                           END:
                                                                                                                   .TITLE RM3PROBE .IDENT \V04-000\
                                                                                                                   .PSECT RM$RMS3,NOWRT, GBL, PIC,2
                                                                                        B1 00000 RM$NOREAD LONG::
                                                 0200
                                                                          04
                                                                                                                               SIZE, #512
                                                                                                                                                                                                      0186
                                                                                  OB
AE
OD
                                                                                       1A 00006
0C 00008
13 0000F
11 00011
7D 00013 1$:
0C 00017 2$:
12 0001C
D0 0001E 3$:
05 00021
9E 00022 4$:
9E 00027
14 0002C
D4 0002E 5$:
05 00030
                                                                                        1A 00006
                                                                                                                   BGTRU
                               08
                                      BE
                                                    04
                                                            AE
                                                                          00
                                                                                                                   PROBER
                                                                                                                               MODE, SIZE, DADDR
                                                                                                                                                                                                      0190
                                                                                                                   BEQL
                                                                                 1B
AE
AE
01
                                                                                                                   BRB
                                                            50
                                                                          04
                                                                                                                   MOVQ
                                                                                                                               SIZE, LEN
MODE, LEN, (START)
                                                                                                                                                                                                      0199
                                      61
                                                                                                                                                                                                      0204
                                                                                                                   PROBER
                                                                                                                   BNEQ
                                                                                                                               #1, RO
                                                            50
                                                                                                                   MOVL
                                                                                                                                                                                                      0206
                                                                                                                   RSB
                                                                                  C1
C0
E9
50
                                                            51
                                                                       0200
FE00
                                                                                                                               512(R1), START
-512(R0), LEN
                                                                                                                   MOVAB
                                                                                                                   MOVAB
                                                                                                                               2$
R0
                                                                                                                   BGTR
                                                                                                                   CLRL
                                                                                                                   RSB
; Routine Size: 49 bytes,
                                              Routine Base: RM$RMS3 + 0000
```

: 153

0216 1

```
RM3PROBE
V04-000
                                                                                                          VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER: [RMS.SRC]RM3PROBE.B32;1
                             GLOBAL ROUTINE RM$NOWRT_LONG (SIZE, ADDR, MODE) : RL$JSB =
   !++
                               FUNCTIONAL DESCRIPTION:
                                      subroutine to perform a long or short probe
                               CALLING SEQUENCE:
bsbw rm$nowrite_long (size,addr,mode)
                               INPUT PARAMETERS:
                                      size of structure to be probed address of structure to be probed
                                      mode to do probing in
                               IMPLICIT INPUTS:
                                      none
                               OUTPUT PARAMETERS:
                                      none
                               IMPLICIT OUTPUTS:
                                      none
                               ROUTINE VALUE:
                                      O if structure is writeable
1 if structure is NOT writeable
                                                (values are such since action is taken if the structure
                                                is not writeable and so the code looks cleaner)
                               SIDE EFFECTS:
                                      none
                                 BEGIN
                                 LOCAL
                                      LEN,
START;
                                 IF .SIZE<0, 16> LEQU 512
                                 THEN
                                      RETURN
                                           IF PROBEW(MODE, SIZE, .ADDR)
                                           THEN
                                           ELSE
                                   need to do long probe
                                 LEN = .SIZE;
START = .ADDR;
```

```
RM3PROBE
V04-000
                                                                                         16-Sep-1984 01:57:28
14-Sep-1984 13:01:34
                                                                                                                          VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[RMS.SRC]RM3PROBE.B32;1
                                       DO
                                            BEGIN
                                             IF NOT PROBEW(MODE, LEN, .START)
                                             THEN
                                                  RETURN 1:
                                            START = .START + 512;
                                            LEN = .LEN - 512;
                                       UNTIL .LEN LSS 1;
                                       RETURN 0
                                       END:
                                                                               B1 00000 RM$NOWRT_LONG::
                                            0200
                                                      8F
                                                                                                                  SIZE, #512
                                                                                                                                                                                 0259
                                                                                   00006
00008
0000F
00011
                                                                         OB AE OB AE OC OT
                                                                              10131700205EE445
                                                                                                       BGTRU
                            08
                                   BE
                                               04
                                                      AE
                                                                  00
                                                                                                       PROBEW
                                                                                                                  MODE, SIZE, DADDR
                                                                                                                                                                                  0263
                                                                                                       BEQL
BRB
                                                                                  00011
00013 1$:
00017 2$:
0001C
0001E 3$:
00021
00022 4$:
00027
                                                      50
                                                                                                                 SIZE, LEN
MODE, LEN, (START)
                                                                                                       MOVQ
                                                                                                                                                                                 0271
0277
                                   61
                                                                                                       PROBEW
                                                                                                                  4$
#1, RO
                                                                                                       BNEQ
                                                      50
                                                                                                       MOVL
                                                                                                                                                                                 0279
                                                                                                       RSB
                                                      51
                                                                         C1
C0
E9
50
                                                                                                                 512(R1), START
-512(R0), LEN
2$
R0
                                                                0200
FE00
                                                                                                      MOVAB
                                                                                                      MOVAB
                                                                                                      BGTR
                                                                                   0002E 5$:
                                                                                                      RSB
; Routine Size: 49 bytes,
                                         Routine Base: RM$RMS3 + 0031
                                 END
                              O ELUDOM
                                                      PSECT SUMMARY
                                                                                       Attributes
           Name
                                             Bytes
    RM$RMS3
                                                      98 NOVEC, NOWRT, RD, EXE, NOSHR, GBL, REL, CON, PIC, ALIGN(2)
```

RM3PROBE V04-000 VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER: [RMS.SRC]RM3PROBE.B32;1 Library Statistics Processing Time ----- Symbols -----Pages Mapped File Total Loaded Percent _\$255\$DUA28:[RMS.OBJ]RMS.L32:1 3109 154 0 00:00.4 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:RM3PROBE/OBJ=OBJ\$:RM3PROBE MSRC\$:RM3PROBE/UPDATE=(ENH\$:RM3PROBE) : Size: 98 code + 0 data bytes
: Run Time: 00:03.4
: Elapsed Time: 00:13.1
: Lines/CPU Min: 5229
: Lexemes/CPU-Min: 6394
: Memory Used: 31 pages
: Compilation Complete

RM3 V04 0327 AH-BT13A-SE

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